



CASE STUDY 31: INDONESIA – SMALL HYDROPOWER

Barriers	Lack of knowledge in micro hydro
Instrument	Capacity building
Application	n/a
Amount	US\$2.1 million

PROJECT BACKGROUND AND OBJECTIVES

Indonesia has numerous hydro power potentials that are not being utilised. The technology for micro hydro energy is well developed and readily available, and the application is appropriate for rural electrification. The Integrated Micro-hydro Development and Application Program (IMIDAP) aims to expand and promote micro-hydro technology for electricity generation.

The overall objectives of IMIDAP include:

- Enhance interest among Indonesian private sector in the micro-hydro power business;
- Increase the number of community-based micro hydro projects;
- Improve the availability and local knowledge of micro hydro technology application;
- Increase private sector and rural community joint implementation of micro hydro projects.

INSTRUMENTS USED

The IMIDAP provides a wide range of capacity building activities, including technical training, business plan development and workshops targeted for micro hydro developers, small businesses and rural communities. The IMIDAP does not provide financial or investment support.

INSTITUTIONAL ARRANGEMENTS

The implementing agency for the IMIDAP is UNDP, who developed and deliver the capacity building activities.

OUTCOMES

The project has helped accelerate commercialization and growth of renewable energy in rural Indonesia. It increased micro-hydro manufacturing businesses from 6 in 2005 to 11 in 2008. Local developers are reported to have secured agreements with the state-owned electricity company for electricity distribution.

Further reading:

GEF – UNDP, Integrated Micro-hydro Development and Application Program (IMIDAP), 2007 – click [here](#)